

Yorkshire Dales National Park

Forecast valid from 00:00 on Friday 18 Aug 2023 until 23:59 on Saturday 19 Aug 2023

Forecast Issued on Thursday 17 Aug 2023 at 14:14

Confidence: High for unsettled conditions Friday and for the subsequent trend towards fine and dry weather. Lower confidence on the timing and extent of the thundery rain and showers on Friday and for the strength of winds Friday night.

Headline for Friday 18 Aug 2023: Dull and muggy start. Band of heavy, locally thundery, showers from late morning. Further heavy rain later.

Mountain weather hazards on Friday 18 Aug 2023

Blizzards

No Likelihood

Gales

Low Likelihood

Thunderstorms

Low Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

No Likelihood

Heavy persistent rain

Medium Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m

Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Partly cloudy (night)	Mist	Fog	Heavy rain showers	Heavy rain showers	Light rain showers	Dull	Heavy Rain
Precipitation probability							
<05%	<05%	20%	80%	80%	40%	20%	80%

Forecast for Friday 18 Aug 2023

Weather: Areas of mist and low cloud across are expected to develop during Friday morning, mainly across eastern areas. Cloud thickening from the southwest with a few isolated showers possible ahead of an organised band of heavy, showery rain that arrives late morning. Perhaps turning thundery for a time before clearing and dissipating Friday afternoon. Remaining muggy and cloudy Friday afternoon, with only brief bright spells if at all. Thickening and lowering cloud bringing further heavy rain Friday evening, with a chance of embedded thunderstorms.

Chance of cloud-free hill tops above 600m: 80%, soon falling to 20% from the east. Improving to 60% as rain clears late afternoon, lowering to 40% or less in late rain.

Low Cloud and visibility: Isolated mist and fog patches under any clear skies, with banks of 300-400m cloud across eastern slopes. Extensive cloud bases of around 300m then expected in association with the band of heavy rain. Cloud lifting clear of all but highest bases for a time late afternoon, lowering once more from the west to 300-400m towards midnight as late rain arrives. Visibility poor or very poor in morning mist and fog, and in heavy rain showers. Improving to good outside of showers or rain. Moderate to poor visibility in late rain, perhaps very poor in any thundery downpours.

Forecast for Friday 18 Aug 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	18/28 E	17/28 E	17/28 E	19/29 E	20/30 E	20/30 E	20/31 E	20/31 E	20/31 E
300	11/25 E	11/24 E	14/28 E	14/27 E	15/30 E	14/30 E	14/30 E	15/31 E	15/32 E
Valley	13/27 E	11/25 E	14/28 E	17/32 E	16/32 E	14/30 E	15/32 E	16/33 E	16/34 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/7	10/7	10/7	11/8	13/9	14/10	13/10	13/9	13/10
300	12/10	12/10	12/10	14/12	15/13	16/14	16/14	15/12	15/13
Valley	14/11	13/11	14/11	16/13	17/14	18/16	18/15	16/14	16/14
Freezing Level*	2400m	2400m	2900m	3200m	3500m	3600m	3700m	3800m	3800m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Unpleasant walking conditions for much of the day, with waterproofs becoming soaked through in heavy, potentially thundery, showers and late rain. Navigation will be challenging given extensive hill fog. Windy conditions will make for fairly arduous walking on exposed terrain with buffeting of clothing. Watercourses may become swollen.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Wed 16 Aug 2023	0mm	3.8mm	19.8mm

Forecast for Saturday 19 Aug 2023

Weather: Rain should clear to the north during the early hours of Saturday, leaving a muggy feel to the day. Patchy rain or drizzle may affect western Dales until late morning. Otherwise becoming a much drier and finer day. Well-scattered showers developing as daytime temperatures rise, but these will be much lighter than Friday and blow through quickly.

Maximum wind: Southwest 25-30mph, gusting 40-45mph. Easing 10-15 mph gusting 25mph in the evening.

Chance of cloud-free hill tops above 600m: 30% or less, soon improving to 80% or more. Slower to clear in the west.

Low Cloud and visibility: Extensive cloud with bases of 300m associated with the area of rain. This clearing around dawn with bases then largely remaining above summits for the rest of the day. Cloud may be slower to clear in the west if further rain or drizzle arrives. Visibility poor or very poor in early rain. Becoming good or very good as rain clears.

Temperature: **Valleys:** Plus 17, rising to Plus 20 Celsius.
At 600m: Plus 13 Celsius, rising to Plus 15 Celsius.
Freezing level: Well above summits.